

Comprehensive Large Array-data Stewardship System (CLASS)

CLASS Supports NPP and NPOESS

NOAA has developed the Comprehensive Large Array-data Stewardship System (CLASS) to archive and provide access to the data from current satellite-based observing systems. CLASS is now being enhanced to handle the significant increases in data volume that will come from the NPP and NPOESS satellite launches.

Launch Support Climate and Science 🖥 Segment **Data Users** Direct Broadcas Command, Control, Interface Data GSE - Svalbard and Communications Processing Prmary T&C NPP SMD Segment Segment NESDIS Mission Management Center Suitland, Maryland Flight Operations Team

Science Data

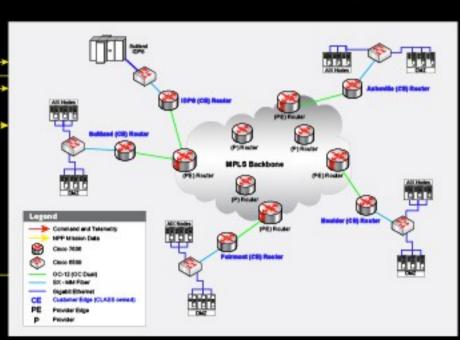
Segment

Data Monitoring and Recover

Archive and Distribution Segment (CLASS)

CLASS will archive all data products from the IDPS, including RDRs, TDRs, SDRs, selected Intermediate Products, and EDRs. Also archived will be metadata, auxiliary data (e.g., TLEs), ancillary data, calibration and validation data, software, and documentation.

Segment



Search results will include more detailed information about the retrieved data including orbit number, dataset name, and a browse image.

Search functions - CLASS will allow users to search for NPP data in any of the following ways:

- Date and time
- Geographic location
- Individual or multiple sensors
- Data type RDR, SDR, TDR, EDR, and/or Intermediate Product

Data delivery options will include:

- Full dataset or subsetted at the granule level
- Online (FTP) or on physical media (e.g., tape)
- HDF5 format
- Individual orders using CLASS Web interface or all new data based on user subscription